OS/2 TCP/IP Installation (INSTALL.EXE)
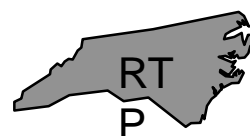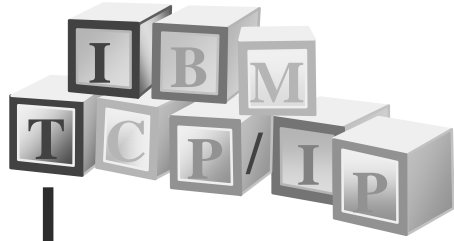
George McMullen
Barry Myers

T/L 444-9702 *or* 441-2871
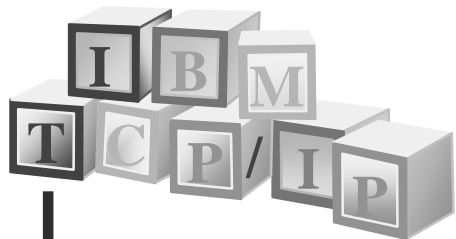
georgemc @ rptnotes *or* bamyers @ rtpnotes

RT
P

Terminology

- ZIP - The TCP/IP packaging groups code using INFOZIP's PKZIP format.
- EXITS - A TCP/IP exit is simply an executable piece of code that gets called to perform a certain task to complete installation.
- IFOLDER - The utility that TCP/IP's installation program calls to populate the desktop with icons.
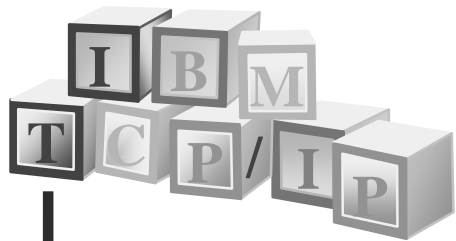
Overview

- Descriptions
  - _f_ The TCP/IP install code in WARP V4 (INSTALL.EXE) will install the TCP/IP applications. This program uses UNZIP to place most of the files and uses code exits to gather information to complete the installation.
  - _f_ The TCP/IP uninstall code (UINSTALL.EXE) will remove the TCP/IP program files and their configuration files from the machine.
  - _f_ The program that is used by both install and uninstall programs to add or remove ICONs from the desktop is the _IFOLDER.EXE_ program.

Overview - New Features

- Supported
  - ƒ CID install documentation and code were cleaned up significantly. Errors (both syntax and invalid keyword combinations) are now detected, logged and will return a return code.
  - ƒ Additional CID support was added to the install to allow configuration of:
    - –up to 9 LAN adapters.
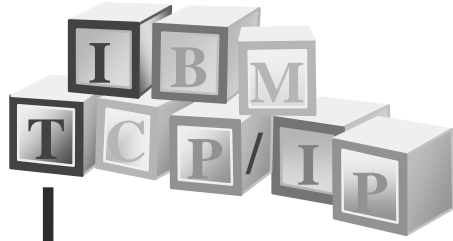   - –up to 3 Nameservers.
  - ƒ PCOMM Lite replaced TN3270 and TN5250 support.
  - ƒ UNINSTALL support was added.
  - ƒ Install of Software Updates function was added.
  - ƒ Many changes were made to IFOLDER (populate the desktop) utility.
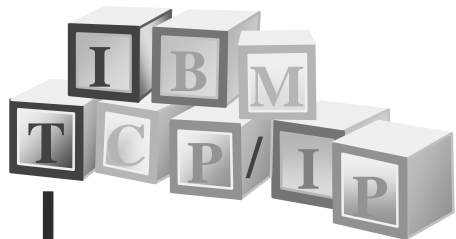 - ƒ The installation code will now do Syslevel checking to validate the compatibility problems before we install our code.

Overview - Features Cont...

- Unsupported
    - ƒ TN3270 no longer installed.
    - ƒ TN5250 no longer installed.
    - ƒ PMANT no longer installed.
    - ƒ TELNETO no longer installed.
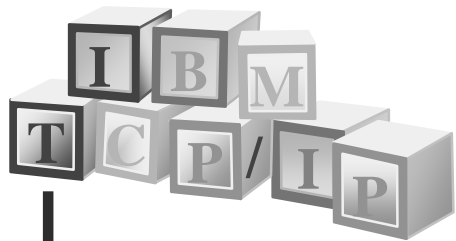   - ƒ SNMP is now part of System View.

New Features

ƒ PCOMM install

- –Done mostly with the UNZIPPING of *PCOM1.ZIP* through *PCOM4.ZIP.*
- –There is a *PCOMXT.EXE* file that builds a *PCSOS2.INI* file and places it into the \OS2 directory. This is used by PCOMM full pack to know what level of code is currently installed on the system.

ƒ UNINSTALL

- –This function is the *INSTALL.EXE* recompiled with the UNINSTALL flag on.
- –Most of the function is done using the tables that are defined in the *TCPUNINS.H* file.
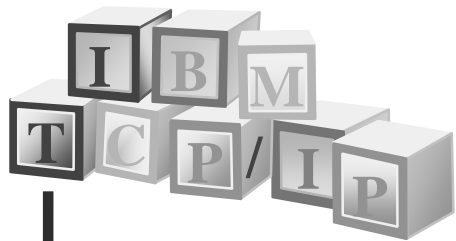- –The rest of the uninstall function is spread throughout the install code.

ƒ IFOLDER

- –The /C parameter was added to the *IFOLDER.EXE* to destroy all TCP/IP icons and their settings. (USED by *UINSTALL.EXE.)*
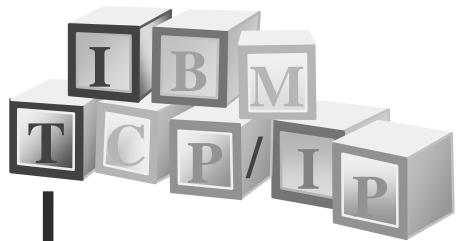
Limitations & Dependencies

- Warp Connect V4 TCP/IP requires Warp Connect V4 or higher.

- Warp Connect V4 TCP/IP requires MPTS version 5.1 or higher.

- There is **NO** code to prevent the installation of Warp Connect V4 TCP/IP over Warp Server SMP V4 clients, however this is **NOT** a supported configuration. TCP/IP V3.5 is intended to be used with Warp Server SMP workstations.
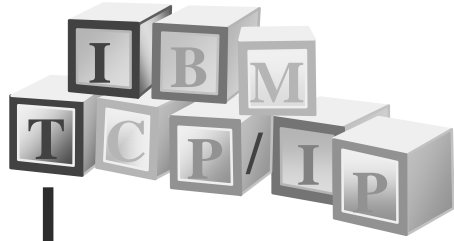
- The *INSTALL.EXE* will **_most_** of the time be invoked by OS/2 TOP install with a CID response file.
  - ƒ With OS/2.
  - ƒ With Selective Install.
- Other possible installation invocations are:
  - ƒ Install from diskettes.
  - ƒ Install with CID response files.
- The *UINSTALL.EXE* (TCP/IP's uninstall) may be invoked by clicking on an icon or the command may be typed on an OS/2 command line. The invocation is documented in the TCP/IP reference.
- The *IFOLDER.EXE* is only run by the install and uninstall programs but is available to be run on the command line if needed.
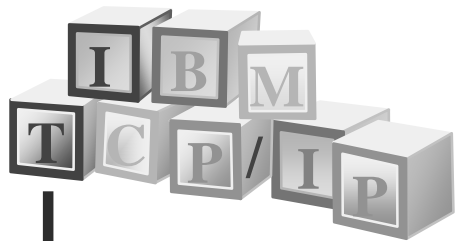
Error Messages, Codes & Logs

- All messages can be found in the *tcpinst.msg* file in the \enus directory of the CMVC library. Documentation for the error messages is in the TCP/IP reference.

- ERROR LOGGING
  - ƒ TCP/IP install **ALWAYS** logs information when it runs.
  - ƒ The log if invoked by TOP install is located in \ibminst\logs\tcpapps directory and is called *local.tcp.*

  - ƒ If TCPIP install is run by itself it always puts it into the root of the boot drive. (In most cases C:\) and the log file name is called *tcpip.log*.
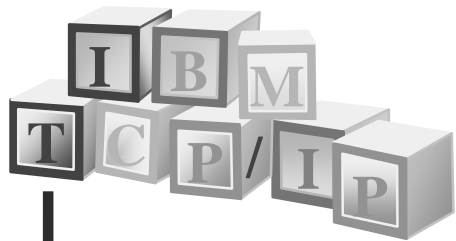
Common User Problems

- Most "common" user errors were related to CID installation in the past hopefully this will not be as big of a problem in Warp Connect V4 since this area was given a good bit of focus. The documentation and code has been significantly improved.
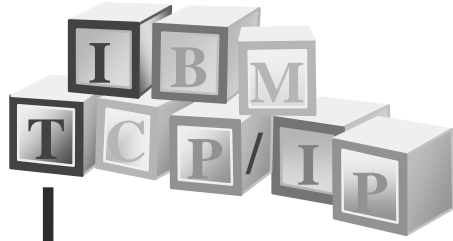
Problems that users may have in Warp V4

- The following problems have been identified to Warp development and may appear to be defects with INSTALL but are **NOT**.
  - ƒ The Warp V4 desktop will cause many previous users problems.
    - –Icons are moved/hidden.
    - –Old Icons that are not migrated are moved to the OLD desktop Icon.
    - –Many users complaints during Beta.
  - ƒ URL ICONs do not work unless you configure them. These icons use their own INI file to hold configuration information and they launch a web browser. If you have a working Webexplore web browser and click on a URL ICON it may not work because it may not be configured properly in the URL ICON.
    - –The GET Netscape ICON on the desktop is a perfect example of this.

Debugging & Troubleshooting

- Your best bet for debug information is to check the error log file that we create.
  (\ibminst\logs\tcpapps\local.tcp)
- If the problem is CID related then get the CID response file that was being used to determine what the error may have been.
- Use IPMD debugger for the more difficult problems. Dummy up a ZIP file that contains not much of anything to run your tests with.

Source and Reference material

- All Source Code is in CMVC.
  - _f_ family = wstcp
  - _f_ component = os2installc
- release = os2apps32 or os2apps32nls Design documentation is in CMVC
  - _f_ family = wstcp
  - _f_ component = os2design
- release = os2apps32